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_____ Fani Kontopoulos	
 Signature	<u>5/2/00</u> Date

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants : Kohei MIYAZONO et al.

Serial No. : 09/039,177

Filed : March 13, 1998

For : ISOLATED ALK-1 PROTEIN, NUCLEIC ACIDS  
ENCODING IT, AND USES THEREOF

Art Unit : 1646

Examiner : D. Fitzgerald

May 2, 2000

Hon. Commissioner of Patents  
and Trademarks  
Washington, D.C. 20231

**INFORMATION DISCLOSURE STATEMENT**

SIR:

In accordance with their duty of disclosure, applicants wish to make the following references of record. Also enclosed is a PTO FORM 1449.

**WO Applications**

1. WO 95/07982 to Wozney et al., "Activin Receptors Like Kinase (ALK), Belonging to the TGF Family and/or to the BMP Receptor Family", March 23, 1995; and,
2. WO 95/14778 to Cook et al., "DNA Sequence for a BMP Receptor", November 24, 1993.

**U.S. Patent Applications**

1. 5,521,295 to Pacifici et al., "Nucleic Acids Encoding Hybrid Receptor Molecules", Issued May 28, 1996;
2. 5,538,892 to Donahue et al., "Nucleic Acids Encoding a TGF- $\beta$  Type 1 Receptor", Issued July 23, 1996; and,
3. 5,614,609 to Ibáñez et al., "Serine Threonine Kinase Receptor", Issued March 25, 1997.

**Articles**

1. Attisano et al., Cell, 68:97-108 (1992);
2. Cate et al., Cell, 45:685-698 (1986);
3. Chiefetz et al., J. Biol. Chem., 267:19027-19030 (1992);

4. Cunningham et al., Proc. Natl. Acad. Sci. USA, 89:11740-11744 (1992);
5. Ebner et al., Science, 260:1344-1348 (1993);
6. Eto et al., Biochem. Biophys. Res. Comm., 142:1095-1103 (1987);
7. Georgi et al., Cell, 61:635-645 (1990);
8. Hino et al., J. Biol. Chem., 264:10309-10314 (1989);
9. Laiho et al., J. Biol. Chem., 266:9100-9112 (1991);
10. Lin et al., Cell, 68:775-785 (1992);
11. Lin et al., Science, 260:1130-1132 (1993);
12. López-Casillas et al., Cell, 73:1435-1444 (1993);
13. Massague, Cell, 69:1067-1070 (1992);
14. Matthews et al., Science, 255:1702-1705 (1992);
15. Matthews et al., Cell, 65:973-982 (1991);

16. Matthews et al., Cell, 68:775-785 (1991);
17. Moses et al., Cell, 63:245-247 (1990);
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19. Paralkar et al., J. Cell. Biol., 119:1721-1728 (1992);
20. Paralker et al., Proc. Natl. Acad. Sci. USA, 87:8913-8917 (1991);
21. Roberts and Sporn, "Peptide Growth Factors and Their Receptors", Sporn and Roberts eds., Pt. 1., Berlin: Springer-Verlag, 419-472 (1990);
22. Segarini et al., Mol. Endo., 3:261-272 (1989);
23. Smith et al., Nature, 345:729-731 (1990)
24. Vale et al., "Peptide Growth Factors and Their Receptors", Sporn and Roberts eds., Pt. 2., Berlin: Springer-Verlag, 211-248 (1990);
25. van den Eijnden-Van Raaij et al., Nature, 345-732-734 (1990);
26. Wang et al., Cell, 67:797-805 (1991);

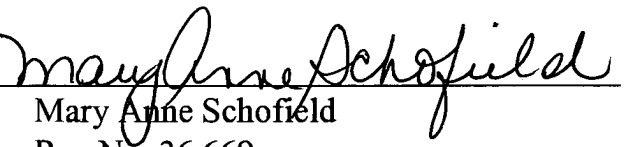
27. Wozney et al., Science, 242:1528-1534 (1988); and,
28. Wrana et al., Cell, 71:1003-1004 (1992).

These documents were submitted by the applicants or cited by the Examiner in prior application serial no. 08/436,265; 09/381,256; and 09/395,115. The present application is a continuation-in-part of 08/436,265 and therefore, in accordance with 37 C.F.R. § 1.98(d), copies of the references need not be enclosed.

Applicants believe no fee is required for filing these papers. However, the Commissioner is hereby authorized to deduct any fee due, or credit any overpayment to Deposit Account No. 500624.

Respectfully submitted,

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